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**ABSTRACT****MULTILEVEL SECURITY RELAY**

5           A client application (16) establishes in a client network (10), a first connection having a first security level, directly with a first port (1) of a server application (17) hosted in a server machine (13) linked to a server network (11), in order to send messages addressed to the server machine (13). The messages pass from the client network (10) to the server network (11) through a network layer (CR) of a gateway machine (9). In the gateway machine, a secure application proxy reroutes the messages from the first connection, in a way that is transparent for the client application, and establishes a second connection having a second security level with the server application; the second connection is unknown to the client application.

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15           Fig. 1

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